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Zeuxine lindleyana (*Orchidaceae*)—A New Record for the Flora of Nepal

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Summary: Occurrence of *Zeuxine lindleyana* A. N. Rao (*Orchidaceae*) is reported for the first time from Nepal.

The genus *Zeuxine* Lindl. (*Orchidaceae*, tribe *Cranichideae*; subtribe *Goodyerinae*) is represented by 80 species, and distributed worldwide (Chen et al. 2009). Nine species of *Zeuxine* have been reported from Nepal (Press et al. 2000, Rokaya et al. 2013, Rajbhandari 2015, Bhandari et al. 2016, Shrestha et al. 2018).

An unfamiliar *Zeuxine* was collected alongside the bed of a river in Pokhara valley, Central Nepal in 2017. After examination of

Fig. 1. A. *Zeuxine lindleyana* A. N. Rao. B. *Z. strateumatica* (L.) Schltr. (both photographed at Pokhara Lekhnath, Kaski District, Central Nepal, on 12 Feb. 2017, by P. Bhandari).

specimens and literature search, it was identified as *Z. lindleyana* A. N. Rao. Although *Z. lindleyana* has been considered to be endemic to India (Rao 1988, Pearce and Cribb 2002), the collection of this species in Pokhara valley has proven to be the occurrence in Nepal for the first time, and extends its western limit of distribution.

Zeuxine lindleyana A. N. Rao in Arunachal Forest News **6**: 34 (1988); Pearce & Cribb, Fl. Bhutan **3**(3): 27 (2002). [Fig. 1A]

Type: INDIA. Arunachal Pradesh, West Kameng District, Tipi, ca. 200 m alt., 2 Feb. 1983, A. N. Rao 6496 A (Orchid Herbarium Tipi– holotype, n.v.).

Flowering: February–March.

Distribution: Nepal (Kaski District) and India (Arunachal Pradesh).

Specimen examined: CENTRAL NEPAL. Kaski District, Pokhara Lekhnath ca. 700 m alt., 12 Feb. 2017, P. Bhandari P1502 (KATH030408).

Zeuxine lindleyana is similar to *Z. strateumatica* (L.) Schltr., but is characterized by an unlobed ovate-lanceolate lip, mesochile with undulate margin, acute epichile and hypochile without calli (Fig. 1A). In contrast, *Z. strateumatica* have distinctly 3-lobed lip, spathulate or bilobed epichile, and hypochile with 2 calli (Fig. 1B). *Zeuxine lindleyana* also resembles *Z. membranacea* Lindl., but can be distinguished by its smaller habit (up to 14 cm), ovate-lanceolate lip and glabrous ovary while *Z. membranacea* has taller habit (up to 34 cm), cymbiform lip, and pubescent ovary.

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P. Bhandari[a,b,c], L. R. Shakya[d], R. P. Chaudhary[c]：**ネパール新産の *Zeuxine lindleyana*（ラン科）**

ラン科キヌラン属 *Zeuxine* は世界に 80 種あり，ネパールには 9 種が知られていた．ところが，2017 年になって，ネパール中部のポカラで *Zeuxine lindleyana* A. N. Rao が見出された．本種はインドの固有種と考えられてきた植物であるが，今回ネパールから初めて見出された．ポカラは分布の西限になる．

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